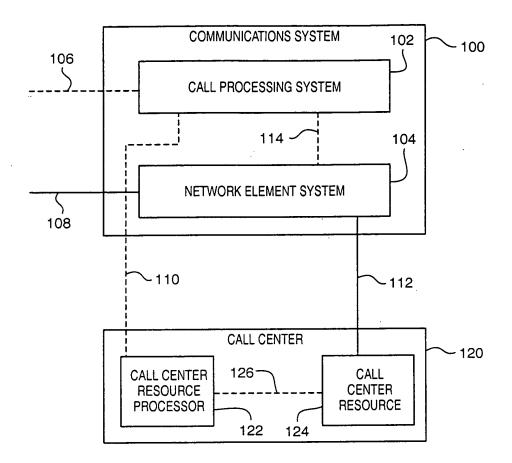
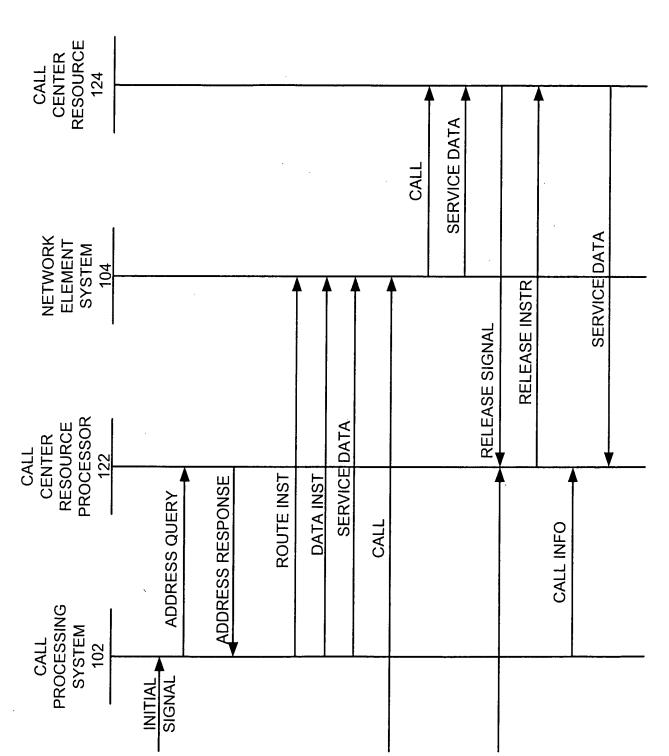
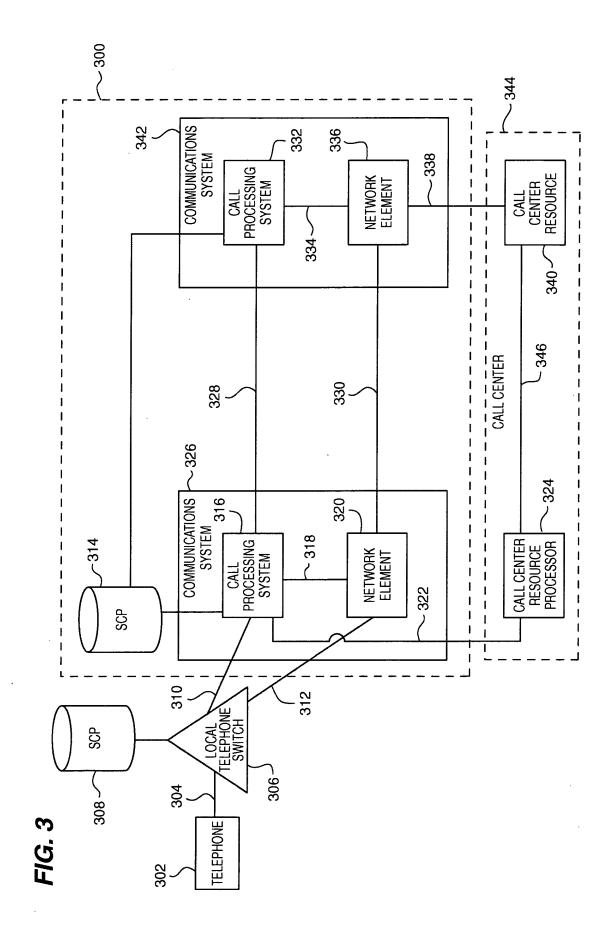
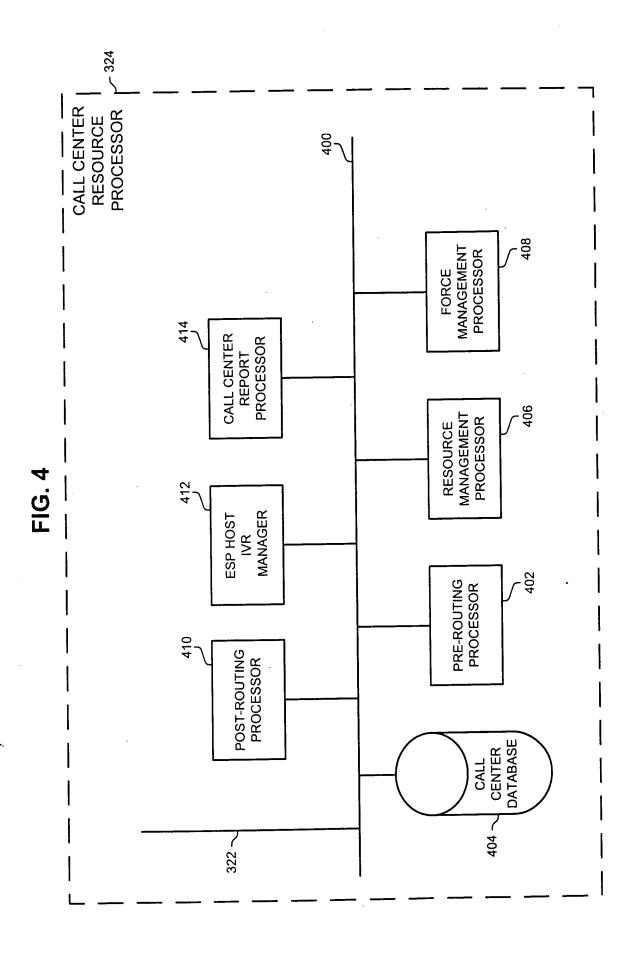
FIG. 1

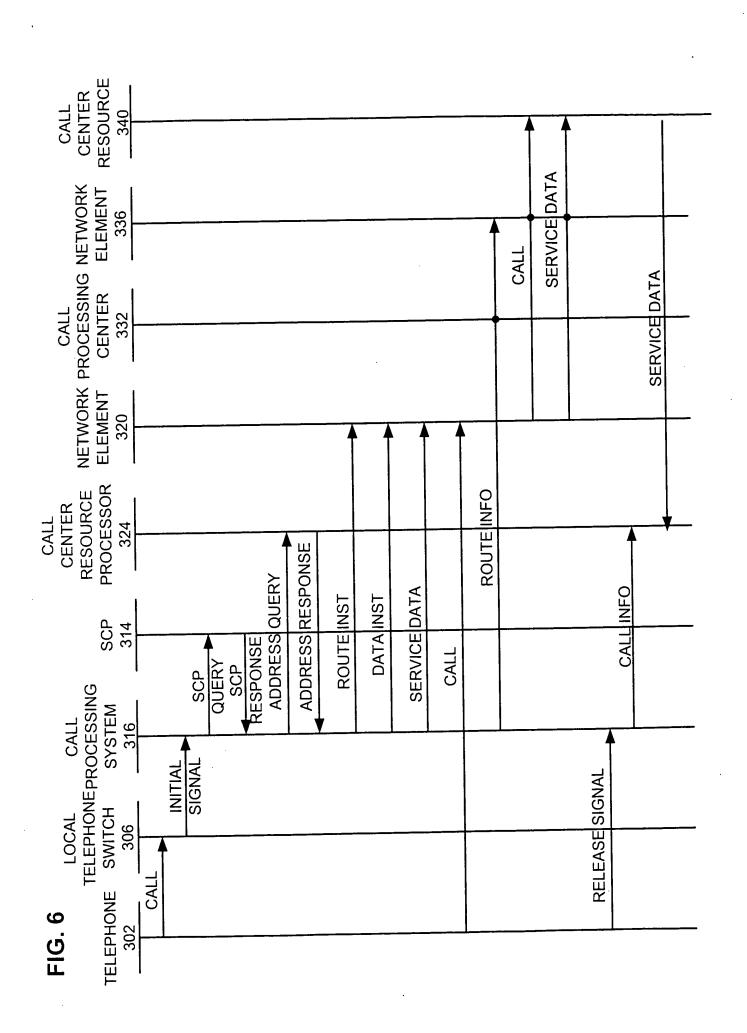


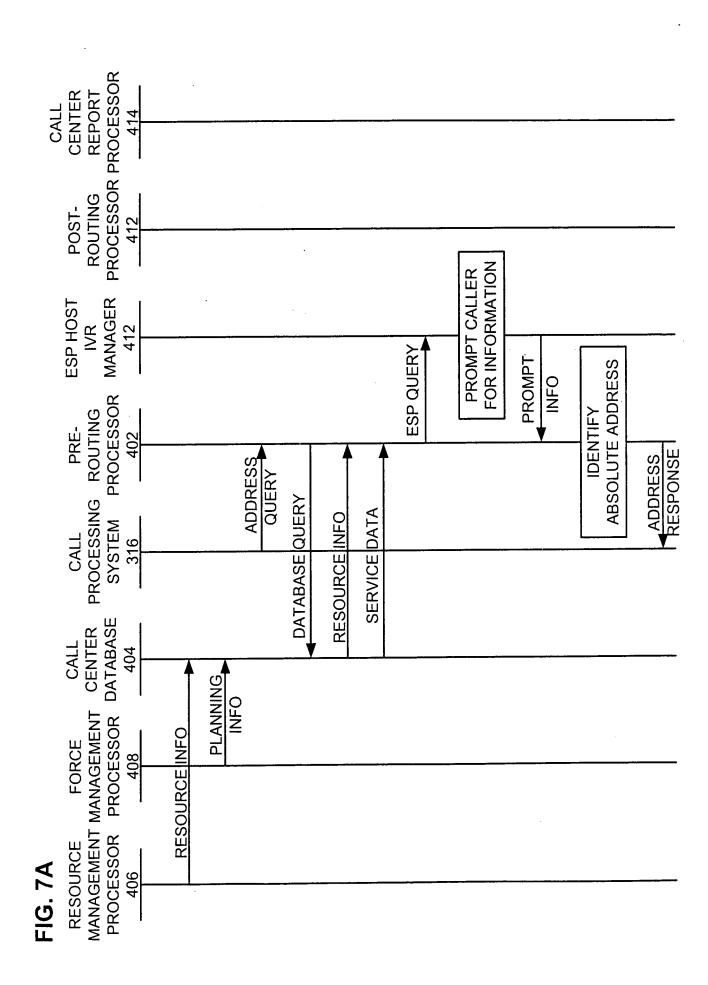


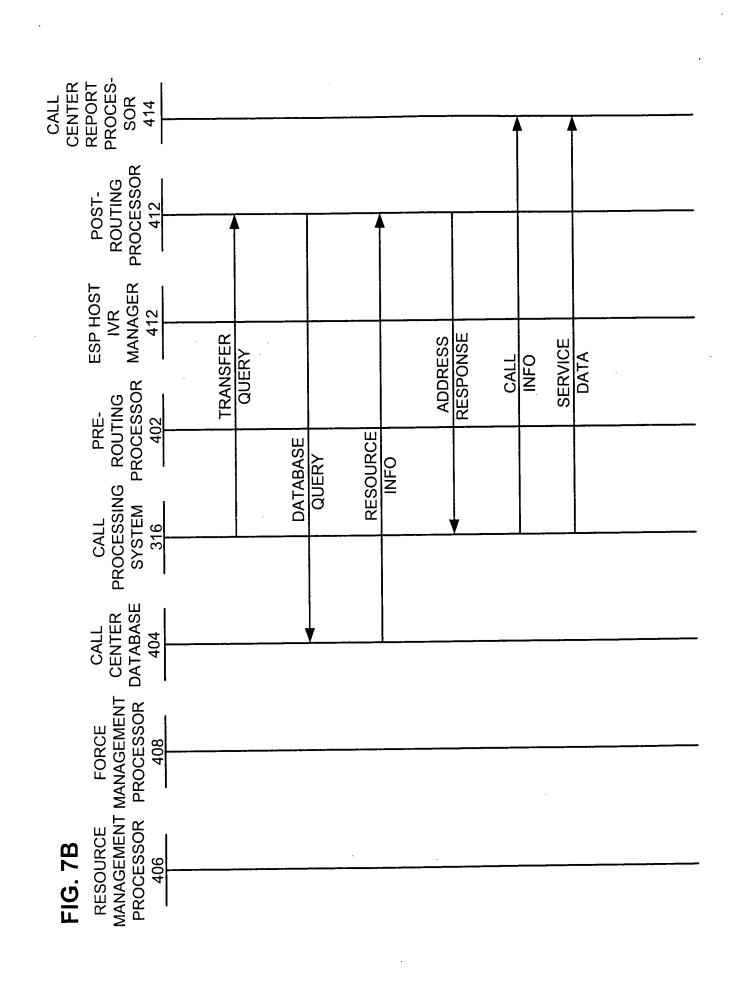


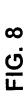


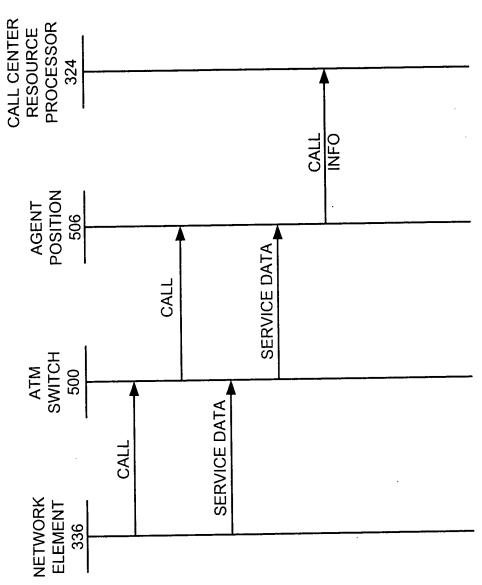


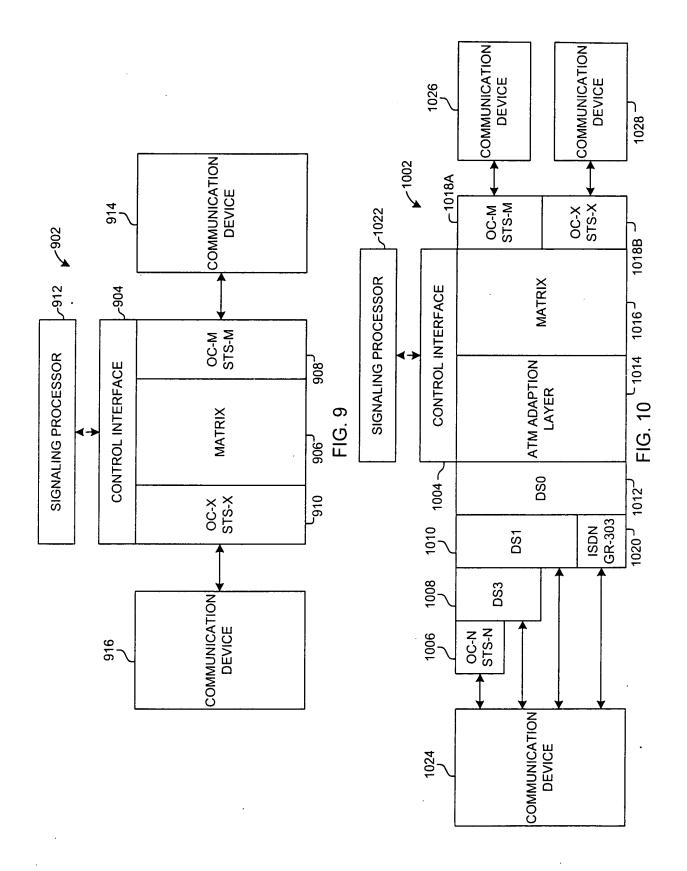


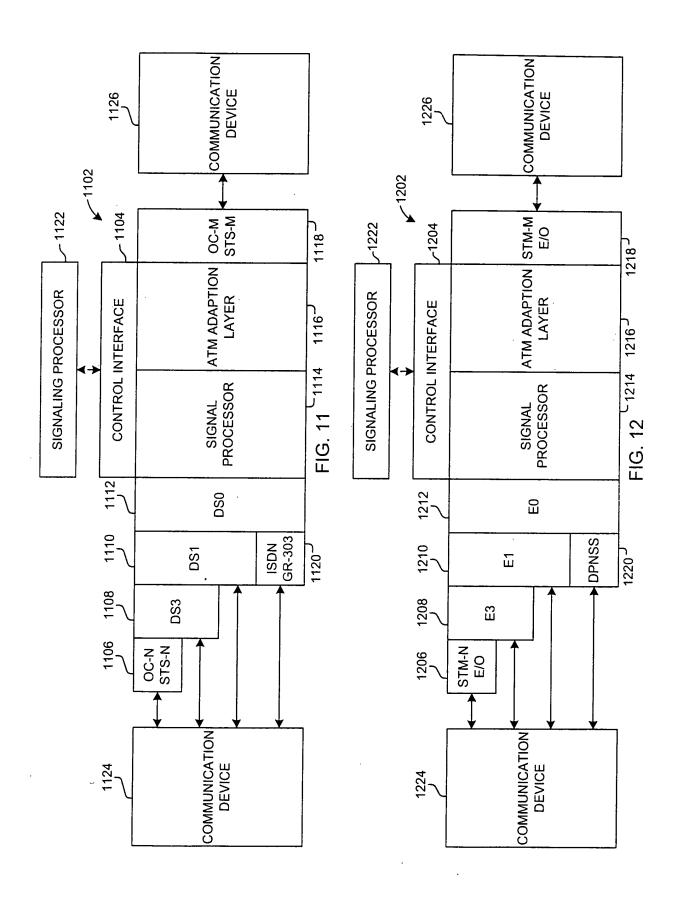


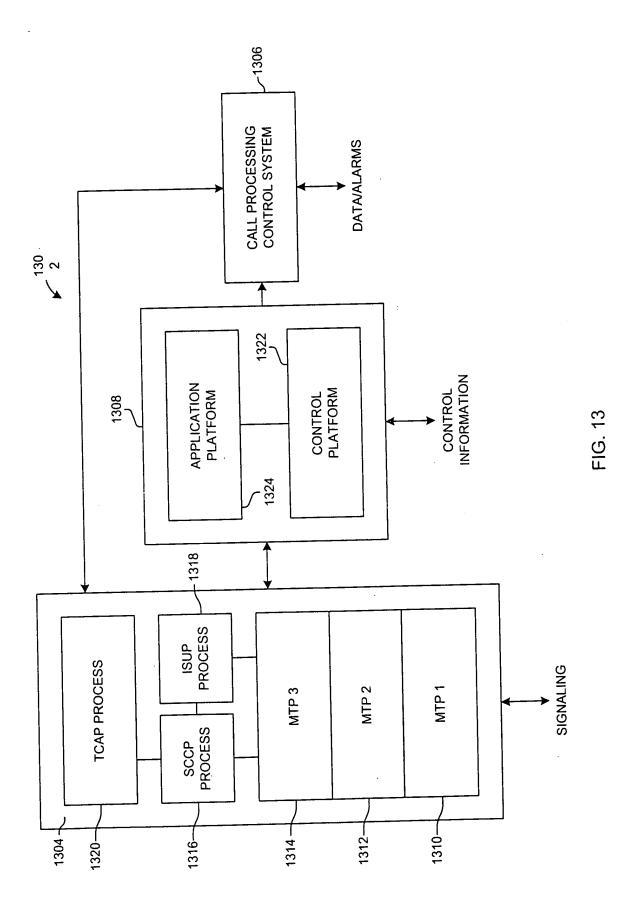


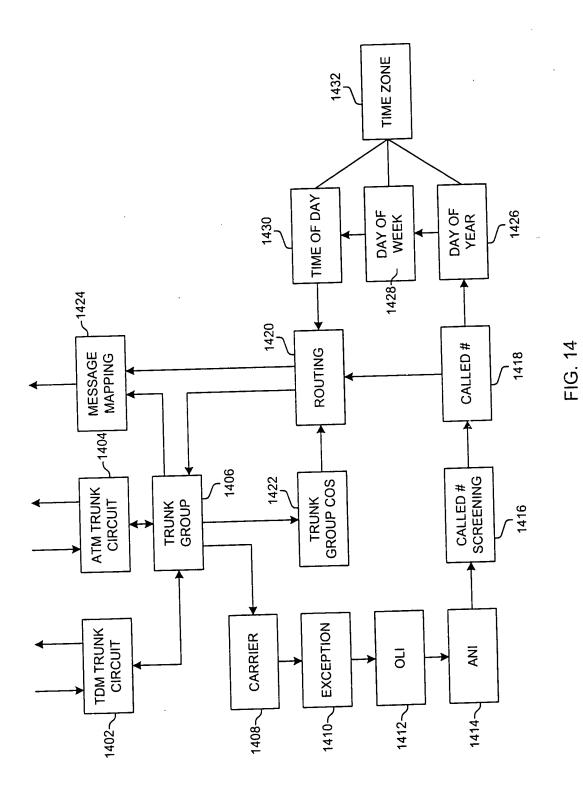












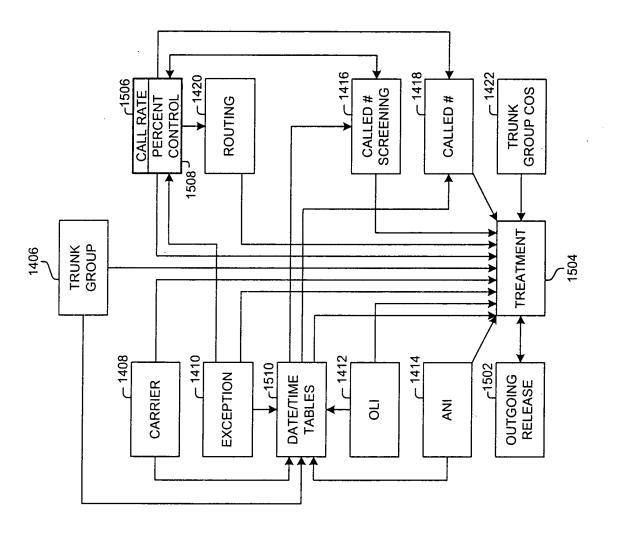
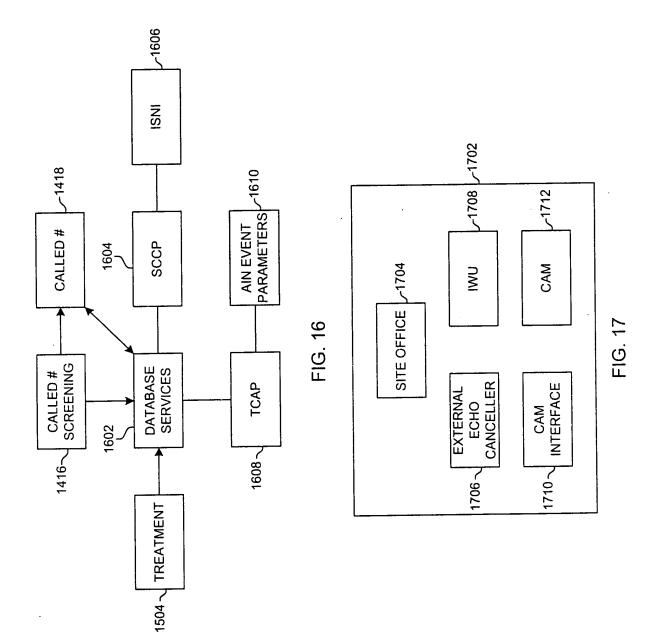


FIG. 15



NITIAI STATE	
DS1/E1 CHANNEL	
/U PORT DS1/E1 LABEL	
≥	
IWU LABEL	
C EC LABEL	
GROUP MEMBER TCIC	
TRUNK GROUP NUMBER	

TRUNK GROUP NUMBER GROUP	GROUP	START	ING TRANSMIT INTERFACE TRANSMIT	TRANSMIT	RECEIVE	RECEIVE VPI	RECEIVE VPI INITIAL STATE
	SIZE	SS	LABEL	I _Q	INTERFACE LABEL		

FIG. 19

TRUNK GROUP NUMBER	ADMIN	ASSOCIATED	CLLI	TRUNK	TRUNK ASSOCIATED	ASSOCIATED	TIME	ECHO
	INFORMATION	POINT CODE		TYPE	NPA	AIL.	ZONE	CANCELLER
							LABEL	INFORMATION

FIG. 20A

	TO1.10	1 17 7 17	1010					
J SA I ELLI I E	אברבכן	2	GLAKE	CONTROLLY	CONTINUITY REALLEMPTS IGNORE LNP		TREATMENT	MESSAGE
	SEQUENCE PRIORITY	PRIORITY	RESOLUTION	CONTROL		INFORMATION	LABEL	MAPPING LABEL

FIG. 20B

<u></u>		_	
NEXT LABEL			
TERMINATING CALL CONTROL NEXT FUNCTION NEXT LABEL			
CALL CONTROL			
TERMINATING	COS LABEL		
ORIGINATING	COS LABEL		
VOICE PATH	CUT THROUGH		
QUEUE RING NO ANSWER			
QUEUE			

FIG. 20C

NEXT LABEL		
NEXT FUNCTION		
CARRIER SELECTION		
CARRIER ID		
CARRIER LABEL		

E	 		
NEX.	LABE	i	
NEXT	FUNCTION		
	DIGITS TO		
D NUMBER	DIGITS FROM		
CALLED N	NATURE OF ADDRESS		
CALLING PARTY'S	CATEGORY		
EXCEPTION	LABEL		

FIG. 22

OLI LABEL	ORIGINATION LINE INFORMATION	NEXT FUNCTION	NEXT LABEL

FIG. 23

IV				CTATOTO		11.10	11. 11. 11. 11.		
2	CHARGE CALLING PART		I IIME ZONE	COSTOMER	נו	QUEUE	COEUE IKEAIMENI	NEXI	NEXT
ABEL	DIGITS FROM	DIGITS TO	LABEL	INFORMATION INFORMATION	INFORMATION		LABEL	FUNCTION LABE	LABEL

FIG. 24

CALLE	LLED NUMBER		DELETE	NEXT	NEXT
NATURE OF ADDRESS	DIGITS FROM	DIGITS TO	DIGITS	FUNCTION	LABEL

FIG. 25

NEXT	LABEL		NEXT LABEL		NEXT LABEL		NEXT LABEL		DAYLIGHT SAVINGS	
NEXT	FUNCTION		NEXT FUNCTION		NEXT FUNCTION		NEXT FUNCTION		DAY	
 	DIGITS TO	26	NEXT FI	27	10	28	10	29	FSET	
CALLED NUMBER	DIGITS FROM	FIG. 26		FIG. 27	DAY TO	FIG. 28	TIME TO	FIG. 29	UTC OFFSET	
CALLE	NATURE OF ADDRESS		DATE		DAY FROM		TIME FROM		BEL	
CALLED NUMBER	LABEL		DAY OF YEAR LABEL		DAY OF WEEK		TIME OF DAY LABEL		TIME ZONE LABEI	

FIG. 30

SIGNAL ROUTE LABEL	
NEXT LABEL	
NEXT FUNCTION	
ROUTE NUMBER	
ROUTING LABEL	

FIG. 31

NEXT LABEL	
NEXT FUNCTION	
TERMINATING TRUNK COS LABEL	
ORIGINATING TRUNK COS LABEL	

_	
NEXT LABEL	
NEXT FUNCTION	
ERROR/CAUSE LABEL	
TREATMENT LABEL	

FIG. 33

OUTGOING RELEASE		OUTGOING CAUSE VALUE	
LABEL	LOCATION	CODING STANDARD	CAUSE VALUE

FIG. 34

	<u> </u>	ı—	Г
PASSED	NEXT LABEL		
PA	NEXT FUNCTION		
CONTROL	NEXT LABEL		
	NEXT FUNCTION		
CONTROL	PERCENTAGE		
PERCENT	LABEL		

FIG. 35

SED	NEXT ABE		
PASSED	NEXT FUNCTION		
CONTROL	NEXT LABEL		
LNOO	NEXT FUNCTION		
CALL	RATE		
CALL RATE	LABEL		

DATABASE SERVICES	SERVICE TYPE	SCCP LABEL	TCAP LABEL	NEXT FUNCTION	NEXTIABEL
LABEL					
					American de la companya de la compan

FIG. 37

SCCP LABEL	MESSAGE TYPE	PROTOCOL CLASS	MESSAGE HANDLING	HOP COUNTER	SEGMENTATION
				1111000	

FIG. 38A

	т-	1 1	_
	LABEL		
	MARK INDICATOR		
INSI	ROUTE INDICATOR		
	ISNI TYPE		

FIG. 38B

CALLED PARTY ADDRESS	ADDRESS INDICATOR SUB POINT GLOBAL TITLE	SSN POINT GLOBAL TITLE ROUTING NATIONAL/ SYSTEM CODE TRANSLATION ENCODE NUMBER ADDRESS	CODE INDICATOR INDICATOR INTERNATIONAL NUMBER NUMBER TYPE SCHEME PLAN TYPE		
----------------------	--	--	--	--	--

FIG. 38C

		ADDRESS TYPE
	TITLE	SCHEME PLAN
	GLOBAL TITLE	ENCODE
		TRANSLATION TYPE
SS	SUB POINT	CODE
Y ADDRE	SUB	SYSTEM NUMBER
CALLING PARTY ADDRESS		JTING NATIONAL/ SYSTEM CODE
	ATOR	ROUTING
	ADDRESS INDICATOR	GLOBAL TITLE ROUT INDICATOR INDICA
		POINT
		SSN

FIG. 38D

NETWORK 16	
NFTWORK	
NETWORK 3	
NETWORK 2	
NETWORK 1	
ISNI LABEL	

FIG. 39

FIG. 40

MODULE	
RS-232 ADDRESS	14910
ECHO CANCELLER TYPE	
ECHO CANCELLER LABEL	

FIG. 41

IWU LABEL	IWU ID	IP SOCKET 1	IP SOCKET 2	IP SOCKET 3	IP SOCKET 4
		`			

FIG. 42

_		
	LOGICAL INTERFACE	
- 144 C	CAIN LABEL	
CAM INTEDEACE LABEL		

CAM ADDRESS		
CAM TYPE		
CAM LABEL		

FIG. 44

OFFICE CLLI NAME	SITE NODE ID	ORIGINATION ID	SOFTWARE ID	CALL PROCESSOR ID

FIG. 45A

CC ENABLED	ACL 1 ONSET	ACL 1 ABATE	ACL 2 ONSET	ACL 2 ABATE	ACL 3 ONSET	ACL 3 ABATE
				The second secon		

FIG. 45B

MAX TRUNKS OHQ	OHQ TQ1	OHQ TQ2	RING NO ANSWER BILLING ACTIVE	BILLING ACTIVE	NWM ALLOW	BILLING FAILURE
			TIMER			FREE CALL

FIG. 45C

[
MAX TABLE LOOKUPS	
MAX HOP COUNTS	

FIG. 45D

ACGESS CODE ACG ENCOUNTERED ALTERNATE BILLING INDICATOR ALTERNATE BILLING INDICATOR ALTERNATE BILLING INDICATOR ALTERNATE BILLING NUMBER AMA ALTERNATE BILLING NUMBER AMA BUSINESS CUSTOMER ID AMA DIGITS DIALED WC AMA LINE NUMBER AMA SLPID AMP ANSWER INDICATOR BEARER CAPABILITY BUSY CAUSE CALLED PARTY ID CALLED PARTY STATION TYPE CALLED PARTY STATION TYPE CALLED PARTY STATION TYPE CLEAR CAUSE CHARGE NUMBER CHARGE NUMBER CHARGE NUMBER COLLECTED ADDRESS INFORMATION COLLECTED DIGITS CONTROLLING LEG TREATMENT DISCONNECT FLAG DISPLAY TEXT FACILITY GID (TRUNK GROUP ID) FACILITY GID (PRIVATE FACILITY GID) FACILITY GID (PRIVATE FACILITY GID) FACILITY GID (ROUTE INDEX) FACIL TRANSE GUD (ROUTE INDEX) FACIL	AIN EVENT PARAMETERS LABEL	MESSAGE NAME #1	MESSAGE NAME #	MESSAGE NAME #N
ACG ENCOUNTERED ALTERNATE BILLING INDICATOR ALTERNATE BILLING NUMBER AMA BUSINESS CUSTOMER ID AMA DIGITS DIALED WC AMA LINE NUMBER AMA SUPID AMP ANSWER INDICATOR BEARRE CAPABILITY BUSY CAUSE CALLED PARTY ID CALLED PARTY STATION TYPE CALLING PARTY STATION TYPE CHARGE NUMBER CHARGE NUMBER CHARGE AUSE COLLECTED DIGITS CONTROLLING LEG TREATMENT DISCONNECT FLAG DISPLAY TEXT FACILITY GID (ROUTE INDEX)	ACCESS CODE			7.7.47112 7714
ALTERNATE BILLING INDICATOR ALTERNATE TRUNK GROUP AMA ALTERNATE BILLING NUMBER AMA BUSINESS CUSTOMER ID AMA DIGITS DIALED WC AMALINE NUMBER AMA SLPID AMP ANSWER INDICATOR BEARER CAPABILITY BUSY CAUSE CALLED PARTY ID CALLED PARTY STATION TYPE CLEAR CAUSE CHARGE NUMBER CHARGE NUMBER CHARGE NUMBER COLLECTED ADDRESS INFORMATION COLLECTED ADDRESS INFORMATION COLLECTED ADDRESS INFORMATION COLLECTED ADDRESS INFORMATION COLLECTED GIGITS CONTROLLING LEG TREATMENT DISCONNECT FLAG DISPLAY TEXT FACILITY GID (RRINK GROUP ID) FACILITY GID (RRINK GROUP ID) FACILITY GID (RRINK FLOUT INDEX) FACILITY GID (RRINK GROUP ID) FAILURE CAUSE GENERIC NAME ISDN INTERFACE ID LATA ORIGINAL CALLED PARTY ID OUTPULSE NUMBER OVERFLOW BILLING NUMBER PASSIVE LEG TREATMENT PRIMARY BILLING INDICATOR PRIMARY TRUNK GROUP REDIRECTION INFORMATION RESOURCE TYPE SECOND ALTERNATE BILLING INDICATOR SECOND ALTERNATE TRUNK GROUP				
ALTERNATE TRUNK GROUP AMA ALTERNATE BILLING NUMBER AMA BUSINESS CUSTOMER ID AMA DIGITS DIALED WC AMA LINE NUMBER AMA SIPID AMP ANSWER INDICATOR BEARER CAPABILITY BUSY CAUSE CALLED PARTY ID CALLED PARTY STATION TYPE CALLING PARTY SID CARRIER CHARGE NUMBER CHARGE PARTY STATION TYPE CLEAR CAUSE COLLECTED ADDRESS INFORMATION COLLECTED DIGITS CONTROLLING LEG TREATMENT DISCONVECT FLAG DISPLAY TEXT DISPLAY TEXT FACILITY GID (TRUNK GROUP ID) FACILITY GID (ROUTE INDEX) FACILITY MEMBER ID FAILURE CAUSE GENERIC NAME ISDN INTERFACE ID LATA OVERHAMER OVERFLOW BILLING NUMBER PASSIVE LEG TREATMENT DISCONVECT FLAG DISPLAY TEXT ORGANICAL TREATMENT PROBLET TREATMENT ORGANIAL CALLED PARTY ID OUTPULSE NUMBER OVERFLOW BILLING INDICATOR PRIMARY CARRIER PRIMARY CARRIER PRIMARY CARRIER PRIMARY CARRIER PRIMARY CARRIER PRIMARY TRUNK GROUP REDIRECTION INFORMATION RESOURCE TYPE SECOND ALTERNATE BILLING INDICATOR SECOND ALTERNATE BILLING GROUP SPID				
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AMA LINE NUMBER AMA SLPID AMP ANSWER INDICATOR BEARER CAPABILITY BUSY CAUSE CALLED PARTY ID CALLED PARTY STATION TYPE CALLING PARTY STATION TYPE CALLING PARTY STATION TYPE CHARGE NUMBER CHARGE PARTY STATION TYPE CLEAR CAUSE COLLECTED ADDRESS INFORMATION COLLECTED DIGITS CONTROLLING LEG TREATMENT DISCONNECT FLAG DISPLAY TEXT FACILITY GID (TRUNK GROUP ID) FACILITY MEMBER ID FALILITE CAUSE GENERIC NAME ISDN INTERFACE ID LATA ORIGINAL CALLED PARTY ID OUTPULSE NUMBER PASSIVE LEG TREATMENT PRIMARY BILLING INDICATOR PRIMARY SILLING INDICATOR PRIMARY YERNER PRIMARY JELLING INDICATOR PRIMARY OF THE TRUNK GROUP SPID				
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AMA SLPID AMP ANSWER INDICATOR BEARER CAPABILITY BUSY CAUSE CALLED PARTY ID CALLED PARTY STATION TYPE CALLING PARTY BGID CARRIER CHARGE NUMBER CHARGE NUMBER CHARGE PARTY STATION TYPE CLEAR CAUSE COLLECTED ADDRESS INFORMATION COLLECTED DIGITS CONTROLLING LEG TREATMENT DISCONNECT FLAG DISPLAY TEXT FACILITY GID (FRIVATE FACILITY GID) FACILITY GID (ROUTE INDEX) FAILURE CAUSE GENERIC NAME ISDN INTERFACE ID LATA ORIGINAL CALLED PARTY ID OUTPULSE NUMBER OVERFLOW BILLING NUMBER PASSIVE LEG TREATMENT PRIMARY BILLING INDICATOR PRIMARY CARRIER PRIMARY TRUNK GROUP REDIRECTION INFORMATION RESOURCE TYPE SECOND ALTERNATE BILLING INDICATOR SECOND ALTERNATE TRUNK GROUP SPID				
AMP ANSWER INDICATOR BEARER CAPABILITY BUSY CAUSE CALLED PARTY ID CALLED PARTY STATION TYPE CALLING PARTY BGID CARRIER CHARGE NUMBER CHARGE PARTY STATION TYPE CLEAR CAUSE COLLECTED ADDRESS INFORMATION COLLECTED DIGITS CONTROLLING LEG TREATMENT DISCONNECT FLAG DISPLAY TEXT FACILITY GID (PRIVATE FACILITY GID) FACILITY GID (PRIVATE FACILITY GID) FACILITY MEMBER ID FAILURE CAUSE GENERIC NAME ISDN INTERFACE ID LATA ORIGINAL CALLED PARTY ID OUTPULSE NUMBER OVERFLOW BILLING NUMBER PASSIVE LEG TREATMENT PRIMARY BILLING INDICATOR PRIMARY TRUNK GROUP REDIRECTION INFORMATION RESOURCE TYPE SECOND ALTERNATE EILLING INDICATOR SECOND ALTERNATE TRUNK GROUP SPID				
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COLLECTED DIGITS CONTROLLING LEG TREATMENT DISCONNECT FLAG DISPLAY TEXT FACILITY GID (TRUNK GROUP ID) FACILITY GID (PRIVATE FACILITY GID) FACILITY GID (ROUTE INDEX) FACILITY MEMBER ID FAILURE CAUSE GENERIC NAME ISDN INTERFACE ID LATA ORIGINAL CALLED PARTY ID OUTPULSE NUMBER OVERFLOW BILLING NUMBER PASSIVE LEG TREATMENT PRIMARY BILLING INDICATOR PRIMARY TRUNK GROUP REDIRECTION INFORMATION RESOURCE TYPE SECOND ALTERNATE TRUNK GROUP SPID				
CONTROLLING LEG TREATMENT DISCONNECT FLAG DISPLAY TEXT FACILITY GID (TRUNK GROUP ID) FACILITY GID (PRIVATE FACILITY GID) FACILITY GID (ROUTE INDEX) FACILITY MEMBER ID FAILURE CAUSE GENERIC NAME ISDN INTERFACE ID LATA ORIGINAL CALLED PARTY ID OUTPULSE NUMBER OVERFLOW BILLING NUMBER PASSIVE LEG TREATMENT PRIMARY BILLING INDICATOR PRIMARY CARRIER PRIMARY TRUNK GROUP REDIRECTION INFORMATION RESOURCE TYPE SECOND ALTERNATE BILLING INDICATOR SECOND ALTERNATE TRUNK GROUP SPID				
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PRIMARY CARRIER PRIMARY TRUNK GROUP REDIRECTING PARTY ID REDIRECTION INFORMATION RESOURCE TYPE SECOND ALTERNATE BILLING INDICATOR SECOND ALTERNATE CARRIER SECOND ALTERNATE TRUNK GROUP SPID	PASSIVE LEG TREATMENT			
PRIMARY TRUNK GROUP REDIRECTING PARTY ID REDIRECTION INFORMATION RESOURCE TYPE SECOND ALTERNATE BILLING INDICATOR SECOND ALTERNATE CARRIER SECOND ALTERNATE TRUNK GROUP SPID	PRIMARY BILLING INDICATOR			
REDIRECTING PARTY ID REDIRECTION INFORMATION RESOURCE TYPE SECOND ALTERNATE BILLING INDICATOR SECOND ALTERNATE CARRIER SECOND ALTERNATE TRUNK GROUP SPID	PRIMARY CARRIER			
REDIRECTING PARTY ID REDIRECTION INFORMATION RESOURCE TYPE SECOND ALTERNATE BILLING INDICATOR SECOND ALTERNATE CARRIER SECOND ALTERNATE TRUNK GROUP SPID				
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RESOURCE TYPE SECOND ALTERNATE BILLING INDICATOR SECOND ALTERNATE CARRIER SECOND ALTERNATE TRUNK GROUP SPID				
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SECOND ALTERNATE CARRIER SECOND ALTERNATE TRUNK GROUP SPID				
SECOND ALTERNATE TRUNK GROUP SPID				
SPID				
	STR PARAMETER BLOCK			

FIG. 46A

AIN EVENT PARAMETERS LABEL	MESSAGE NAME #1	MESSAGE NAME #	MESSAGE NAME #N
TCM	147 (14102)/ 1	10 0012 77	TO WILL THE
TRIGGER CRITERIA TYPE			
USER ID			
VERTICAL SERVICE CODE			
APPLICATION ERROR STRING			
ERROR CAUSE			
FAILED MESSAGE		·	
CONNECT TIME			
CONTROL CAUSE INDICATOR			
ECHO DATA			
FACILITY STATUS			
GAP DURATION			
GAP INTERVAL (NATIONAL GAP INTERVAL)			
GAP INTERVAL (PRIVATE GAP INTERVAL)			
GLOBAL TITLE VALUE			
MONITOR TIME			ļ
STATUS CAUSE			
TERMINATION INDICATOR			
TRANSLATION TYPE			
TRIGGER CRITERIA FLAG			l

FIG. 46B

MESSAGE TYPE	PARAMETERS	INDEX #1	INDEX #	INDEX #N
ADDRESS COMPLETE	BACKWARD CALL INDICATOR	"	<i>π</i>	miN
	ACCESS TRANSPORT	 		
<u> </u>	CAUSE INDICATOR	 	<u> </u>	
	PRIVATE OPTIONAL			
ANSWER	ACCESS TRANSPORT			
	BACKWARD CALL INDICATOR			
	PRIVATE OPTIONAL			
CALL PROGRESS	NOTIFICATION			
	BACKWARD CALL INDICATOR	 		
	ACCESS TRANSPORT			
	CAUSE INDICATOR			
	BACKWARD CALL INDICATOR			
CIRCUIT VALIDATION RESPONSE MESSAGE	CIRCUIT ID NAME			
	CLLICODE	-		
CONTINUITY	CONTINUITY INDICATOR		· ·	
EXIT	DISPOSITION			
	TRUNK GROUP NUMBER			
	SEND BACK EXIT MESSAGE			
INITIAL ADDRESS	FORWARD CALL INDICATOR			
	CALLING PARTY'S CATEGORY			
	GENERIC ADDRESS PARAMETER (LNP)			
	CALLED PARTY NUMBER			
	CALLING PARTY NUMBER			
	GENERIC DIGITS	·		
	CHARGE NUMBER			
	ORIGINATING LINE INFORMATION			
	TRANSIT NETWORK SELECTION			
	CARRIER SELECTION INFORMATION			
	ORIGINATING LINE INFORMATION			
	SERVICE CODE		ò	
	CARRIER IDENTIFICATION			
	ORIGINAL CALLED NUMBER			
	REDIRECTING NUMBER			
	REDIRECTION INFORMATION			
	GENERIC ADDRESS (NON-LNP)			
	ACCESS TRANSPORT			
	HOP COUNTER			
	JURISDICTION INFORMATION			
RELEASE	ACCESS TRANSPORT			
	AUTOMATIC CONGESTION CONTROL			

FIG. 47